4/9/84
A 2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 3 MARCH 1984

Paper and Paperboard Production: Holding High

Production of paper and paperboard in the first two months of 1984 held close to the near-capacity rates established in the last four months of 1983. The 1984 seasonally adjusted production rate was over 68 million tons per year, equivalent to more than 95% of the available capacity. These were the highest January and February totals achieved, surpassing the previous highs of 1980 by 7%. Relative to the year-ago total, the seasonally adjusted rate of production was up 8.9%. Because of leap year, 1984 had one more day than 1983 so that the gain in actual tonnage production for the two-month period was 10.8%.

All the major grades of paper and paperboard showed strength. Among the paper grades, for example, printing-writing papers increased 13% over the year-ago level, with the seasonally adjusted rate in excess of 18 million tons per year.

Groundwood, coated and uncoated free sheet papers all showed major gains in early 1984 over 1983 and all were operating at rates well above the 1983 average levels. While these gains are well above that of total economic activity as measured for example, by real gross national product, they are consistent with the trend in total printing and publishing activity as reported by the Federal Reserve Board. Real GNP in the first quarter of 1984, as reported in the flash report of the Department of Commerce, rose at the rate of 7.2% per year over its fourth quarter 1983 level; total printing and publishing activity in the first two months of 1984, as reported by the Federal Reserve Board, was 16% over its year-ago level. The Federal Reserve Board derives its measures of printing of periodicals, books, cards and job printing from kilowatt hours of electricity consumed as reported to the Federal Reserve System. The data are shown in the yellow Industry Data Sheet attached to this report.

Continued on Page 2

Continued from Page 1

Production of newsprint also operated at record-high levels, with the January-February 1984 total 5.9% above the comparable 1983 level.

Production of unbleached kraft paper showed only a modest gain over its year-ago level. Production of the other grades of packaging and industrial converting papers however, which include specialty packaging and special industrial papers, is showing a strong gain over its year-ago rate.

Production of all the major paperboard categories, with the exception of production for export, has been particularly strong in the first two months of 1984. Production of containerboard for domestic use, for example, used in the manufacture of corrugated shipping containers, was up 15% over its year-ago total at a record-high rate in excess of 20 million tons per year. This gain is comparable to the 14% gain in shipments of corrugated shipping containers for the same period as reported by the Fibre Box Association. Strength in demand for fibre boxes are evident in all regions of the U.S., pointing to the widespread nature of the economic recovery. The Association also reported that inventories of container-board at fibre box plants and paperboard mills as of March 1, 1984, on a tonnage basis, was a shade below the March 1, 1983 level; on a weeks of supply basis, inventories were down to 6.2 weeks compared to 7.2 weeks one year earlier.

Production of the boxboard grades was also strong, with total production of boxboard for domestic use in the first two months of 1984, 10% over its year-ago level. This reflected an 11% increase in total folding boxboard production and a 15% increase in production of set-up boxboard. Production of the milk carton and food service grades, however, gained only a little, with weakness in demand for plate, dish and tray stock offsetting the increases recorded in both milk carton and cup stock production.

Production of tube can and drum stock made from recycled paperboard continued to soar, with the total in the first two months of 1984 some 21% above its year-ago level. Similarly, in the non-packaging recycled paperboard grades, production of gypsum wallboard facings, responding to the strength in housing activity, was 47% above its year-ago level, while production of panelboard, used largely in autos, showed a remarkable 68% gain over its year-ago level. However, the rate of panelboard production was only a little above 100,000 tons per year.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

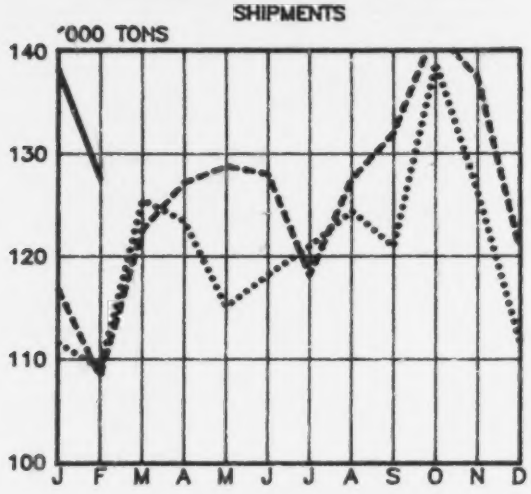
	YEAR 82	YEAR 83	NOV. 83	DEC. 83	JAN. 84 R	FEB. 84 P	Annual Rate Y-T-D 84	% Change from same Period Last Year
PAPER								
Newsprint - Production	5042	5167	456	410	459	452	5470	5.9
- Shipments	4888	5153	454	430	457	454	5464	14.7
Printing & Writing	15843	17355	1514	1458	1529	1488	18102	13.0
Groundwood Paper - Shipments	1459	1509	137	121	138	128	1594	18.0
- New Orders	1469	1564	124	122	147	149	1774	28.9
- Unfilled Orders	91	156	153	156	161	189	189	86.1
Coated Paper - Shipments	5032	5743	513	496	514	509	6137	17.7
- New Orders	4998	5850	463	504	511	513	6147	19.3
- Unfilled Orders	325	463	447	463	450	464	464	42.6
Unctd Free Sheet - Shipments	7847	8702	748	726	765	736	9005	10.2
- New Orders	7820	9010	757	735	726	697	8533	1.3
- Unfilled Orders	321	676	657	676	613	576	576	48.6
Thin Paper - Shipments	323	328	25	24	28	28	342	6.1
Cotton Fiber Paper - Shipments	118	124	11	10	11	11	137	16.3
Bleached Bristols - Production	865	948	78	81	73	75	887	4.9
Tissue Paper - Production	4438	4789	408	390	406	365	4745	3.0
Total Packaging & Other Paper	5300	5606	486	449	480	488	5808	6.0
Unbl. Kraft Paper - Shipments	3688	3792	329	301	317	322	3833	0.2
Other Paper - Production	1812	1814	156	148	163	166	1975	19.3
TOTAL PAPER-Production-UnadJ. *	30422	32917	2863	2706	2875	2813	34125	9.1
-Production-S.A. *			2884	2885	2898	2832	34383	7.2
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22589	24718	2135	1895	2110	2148	25547	11.3
Unbl. Kraft Linerboard (1)	13494	15007	1314	1132	1266	1308	15439	11.4
Production for Export	1931	2163	156	168	154	152	1836	-8.5
Other Unbl. Kraft Paperboard	1040	1061	72	72	91	90	1087	16.5
Semichemical Paperboard	4389	4731	420	384	432	411	5053	15.5
Production for Export	185	198	9	13	17	13	154	-24.0
Solid Bleached Paperboard	3665	3818	329	307	322	340	3968	5.0
Production for Export	525	516	44	32	40	42	494	-16.2
Recycled Paperboard	6476	7234	643	568	671	650	7927	16.7
Production for Export	13	21	1	1	1	1	12	-35.9
TOTAL PAPERBOARD-Prod.-UnadJ. *	29065	31951	2778	2463	2781	2798	33475	12.5
- Containerboard Prod.(Dom. Use)	17508	19281	1730	1482	1701	1714	20487	14.6
- Boxboard Prod.(Dom. Use) (2)	5150	5498	477	435	477	487	5787	10.0
- All Other P'bd Prod.(D.U.) (2)	3753	4274	361	333	385	390	4705	24.4
- Total Paperbd Prod. for Export	2654	2898	210	214	208	208	2496	-12.1
TOTAL PAPERBOARD PROD.- S.A. *			2784	2871	2823	2853	34054	10.6
TOTAL PAPER AND PAPERBOARD								
Production - actual *	59488	64868	5642	5169	5655	5611	67600	10.8
Production - S.A. *			5668	5756	5721	5685	68437	8.9

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* NOTE: Year 1984 contains one more day than year 1983.

P Preliminary
R Revised
S.A. Seasonally Adjusted

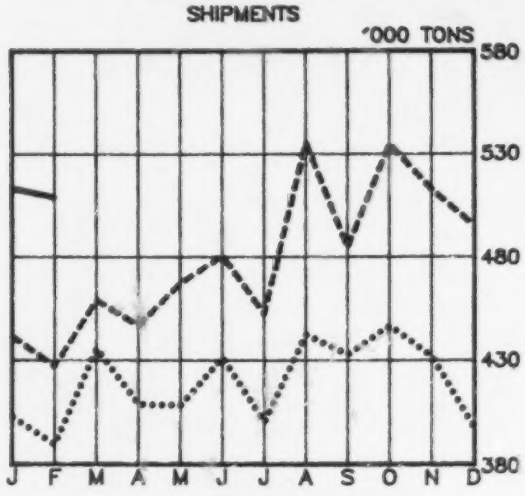
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



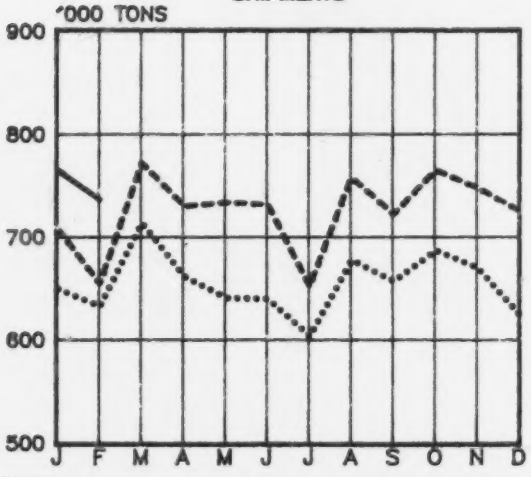
COATED PAPER

SHIPMENTS



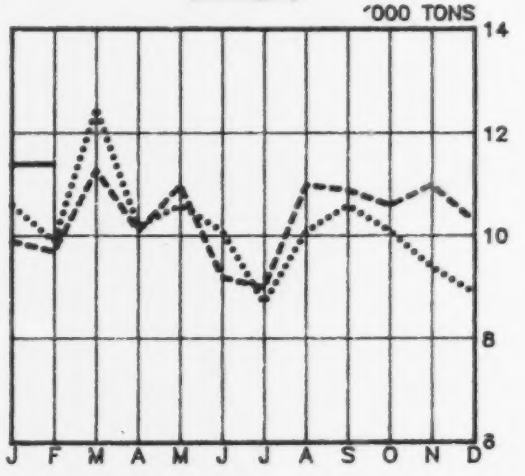
UNCOATED FREE SHEET PAPERS

SHIPMENTS



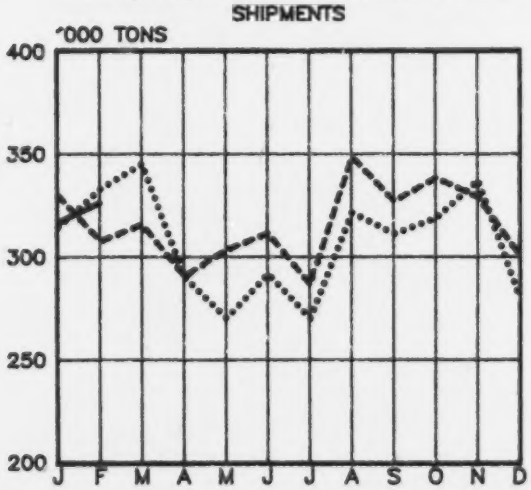
COTTON FIBER PAPER

SHIPMENTS



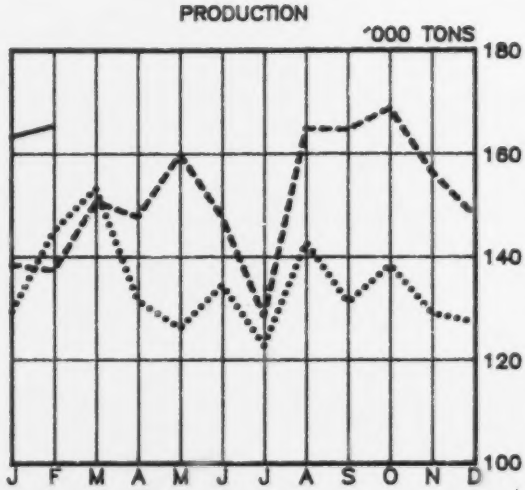
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 82	YEAR 83	OCT. 83	NOV. 83	DEC. 83	JAN. 84	Annual Rate Y-T-D 84	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	49334	52535	4685	4587	4124	4517	54208	5.8
- Imports	3858	4083	431	362	345	337	4050	8.1
- Exports	3395	3644	315	252	384	260	3115	11.0
- New Supply	48595	52885	4801	4708	4085	4585	55144	5.8
Dissolving Pulp - Production	1082	1261	113	117	108	98	1172	10.8
- Imports	186	192	18	7	21	15	180	-38.7
- Exports	831	847	77	61	72	52	825	-12.5
- New Supply	847	806	52	63	54	61	727	13.2
Paper Grades - Production	38478	42358	3777	3704	3287	3606	43267	5.1
Chemical Pulp - Imports	3302	3706	384	328	305	304	3644	10.9
- Exports	2738	2858	237	188	310	205	2456	18.6
- New Supply	40044	43105	3934	3843	3282	3705	44454	4.8
Groundwood and - Production	5084	5087	449	443	419	482	5340	9.4
Thermo-Mech. - Imports	187	185	21	28	20	19	227	76.7
- Exports	27	40	1	2	2	3	34	-8.8
- New Supply	5204	5222	469	467	436	478	5733	11.2
Semi-Chemical - Production	3689	3851	347	334	303	352	4229	8.4
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3689	3851	347	334	303	352	4229	8.4
MARKET WOOD PULP								
Total Market - Production	5732	6418	590	577	475	531	6372	16.0
Wood Pulp - Imports	2443	2845	317	239	283	231	2769	13.8
- Exports	3143	3422	278	249	315	239	3103	10.8
- New Supply	5031	5839	628	567	453	503	6038	18.0
Dissolving Pulp - Production	1089	1260	111	116	106	87	1169	10.4
- Imports	184	210	21	13	23	20	242	-16.8
- Exports	675	698	53	58	78	47	588	2.4
- New Supply	808	772	79	72	50	70	843	6.1
Paper Grades - Production	4643	5144	478	458	368	433	5184	17.5
Chemical Pulp - Imports	2202	2688	288	222	268	204	2450	14.6
- Exports	2468	2724	227	181	237	211	2538	12.6
- New Supply	4377	5117	540	490	398	426	5108	18.6
Groundwood Pulp - Production	1	12	1	1	1	1	10	-33.3
and All Other - Imports	48	38	7	4	4	8	77	3328.7
- Exports	0	0	0	0	0	0	0	0.0
- New Supply	47	50	8	5	5	7	86	418.7

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

FIBROUS RAW MATERIALS
(Thousands of tons)

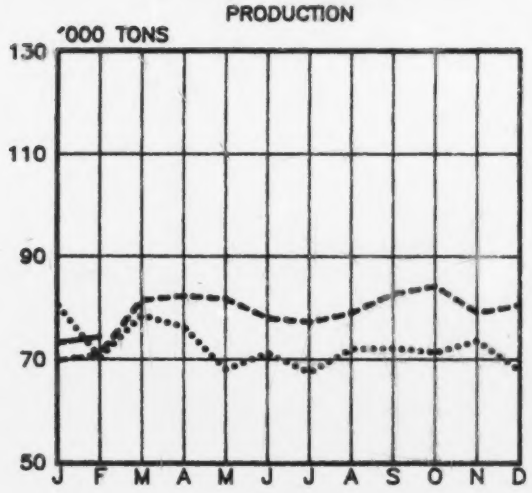
CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	81332	85489	5934	5727	5244	5863	67961	5.5
Total Wood Pulp	47767	50860	4597	4452	4088	4371	52457	4.8
Waste Paper	13585	14538	1337	1275	1158	1292	15504	8.4
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	177	172	186	192	172	153	153	-17.8
Market Pulp at Pulp Mills	437	380	449	484	380	391	391	-7.8
Mkt Pulp at Ppr. & Bd. Mills *	428	522	476	498	522	584	584	37.2
Waste Paper at Paper &Bd. Mills	1022	820	864	864	820	808	808	-4.1
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	37	28	30	34	28	28	28	-20.0

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.

* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

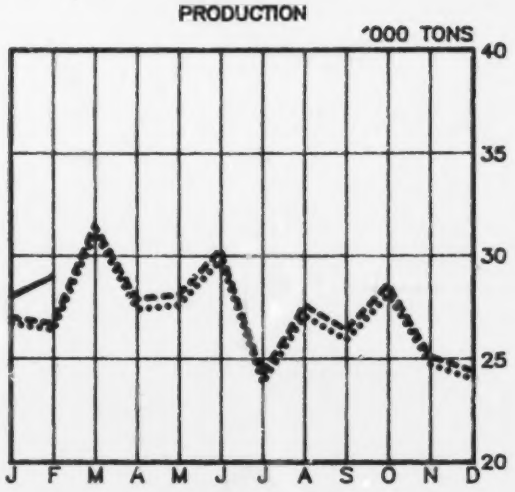
BLEACHED BRISTOLS

PRODUCTION



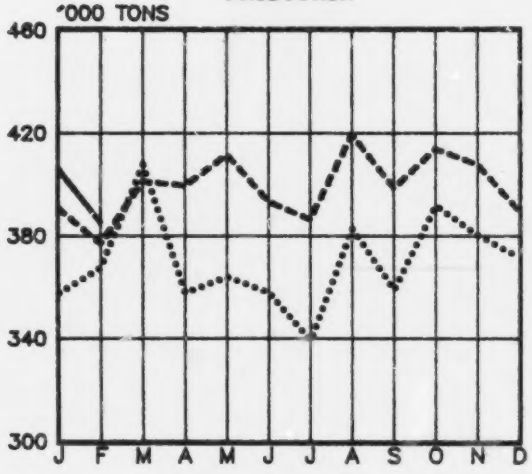
THIN PAPER

PRODUCTION



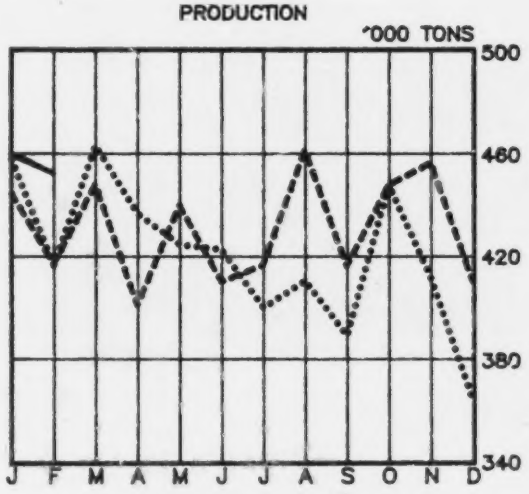
TISSUE PAPER

PRODUCTION



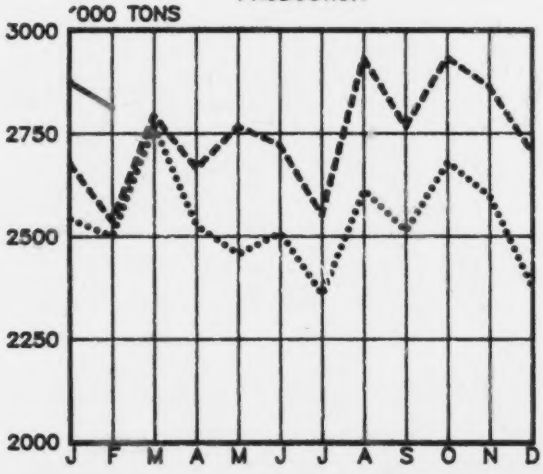
NEWSPRINT

PRODUCTION



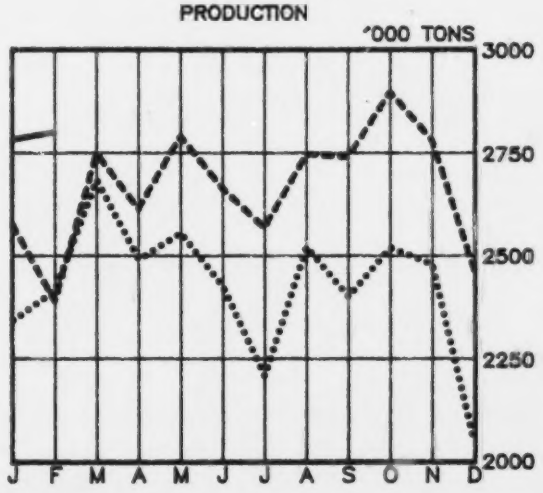
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ..... 1983 - - - - - 1984 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 82	YEAR 83	OCT. 83	NOV. 83	DEC. 83	JAN. 84	Annual Rate Y-T-D 84	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78519	84475	7691	7172	6891	7044	84528	1.7
	- Total Consumpt.	78039	85442	7534	7267	6741	7185	86220	2.7
	- Residues *	31152	32755	3010	2802	2506	2554	30648	-0.2
	- Inventories	5426	5229	5430	5266	5229	5168	5168	-7.9
So. Atlantic	- Total Receipts	23769	25736	2299	2150	2087	2094	25128	0.5
	- Total Consumpt	23725	25847	2287	2153	2020	2151	25812	0.7
	- Residues *	8273	7804	724	671	613	650	7800	-0.3
	- Inventories	1185	1163	1180	1103	1163	1101	1101	-4.7
Northeast	- Total Receipts	7283	7051	649	648	619	680	8160	5.3
	- Total Consumpt	7221	7274	642	663	800	678	8136	3.6
	- Residues *	1452	1199	115	117	107	106	1272	15.2
	- Inventories	652	577	537	543	577	587	587	-15.3
South Central	- Total Receipts	26510	28409	2753	2538	2215	2305	27660	-2.1
	- Total Consumpt	27153	28152	2581	2479	2282	2380	28560	1.4
	- Residues *	8618	9218	852	778	645	703	8436	-6.3
	- Inventories	1346	1536	1628	1627	1536	1495	1495	1.8
North Central	- Total Receipts	5801	6265	565	493	527	621	7452	-2.1
	- Total Consumpt	5706	6343	553	551	494	574	6888	5.5
	- Residues *	1517	1822	181	146	145	102	1224	-32.9
	- Inventories	925	851	870	823	851	906	906	-8.5
West	- Total Receipts	15358	16014	1425	1345	1263	1344	16128	11.4
	- Total Consumpt	15234	16826	1491	1421	1345	1402	16824	6.6
	- Residues *	11294	12612	1139	1089	996	983	11916	8.9
	- Inventories	1338	1102	1215	1170	1102	1078	1078	-16.7

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 83 Tons	YEAR 83 $000	DEC. 83 Tons	DEC. 83 $000	JAN. 84 Tons	JAN. 84 $000	Annual Rate Y-T-D 84	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	155124	7471	38189	2009	11557	526	138684	85.3
Pulpwood Chips	1987168	48879	123568	2899	149841	3539	1798092	13.9
Wood Pulp, Total	3755201	1383975	319386	117862	327983	121878	3935796	14.3
Waste Fibrous Materials, Total	157732	26491	11854	2254	11709	2043	140512	13.7
Paper, Board & Products,Total	8274914	3372728	688466	291646	774702	321245	9298428	21.1
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8221322	3274062	683530	282802	788649	311512	9235783	20.8
Paper Paperboard & Products	7846519	3277874	668022	288410	750804	315584	9007244	22.4
Paper & Paperboard, Only	7782824	3178310	663086	277567	745550	305861	8848600	22.2
Paper, Total	7633585	3139193	648244	273601	725157	300412	8701878	20.6
Newsprint	6845135	2732234	583489	238378	650144	269300	7801728	20.3
Printing,Writing & Rel.Par.	695807	348512	57831	30743	66062	34525	792746	18.8
Pack. & Ind. Conv. Paper	79209	46888	5838	3573	7886	4632	94380	54.4
Special Industrial Paper	2732	4473	175	300	226	370	2716	55.1
Tissue Paper	10602	7085	813	607	858	585	10298	242.5
Paperboard, Total	139338	40117	14841	3966	20394	5449	244722	134.8
Convtd Paper&Paperbd Products	53582	98664	4936	8844	5054	8733	60644	83.5
Wet Machine Board	3036	1916	242	150	198	130	2376	-5.8
Construction Paper & Board	425362	92836	20203	5088	23801	5522	286807	-8.8

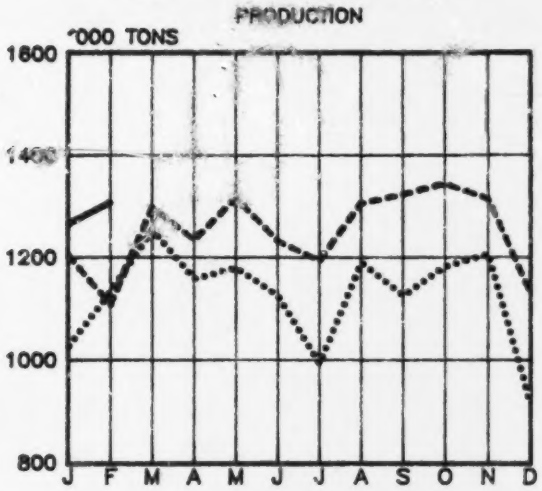
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	88965	4381	5396	287	3534	242	42408	-32.2
Pulpwood Chips	38246	2026	1167	53	763	35	9156	-57.1
Wood Pulp, Total	133833	55368	7971	3865	15809	7290	190808	58.8
Cotton Pulp & Other Pulp	8567	5287	676	423	1281	544	15132	73.7
Waste Paper	348809	38478	29513	3344	24883	2801	295956	1.5
Paper, Board & Products,Total	859229	471258	49519	37883	58294	41243	698526	4.8
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	448117	308887	30434	24870	39867	27823	476008	8.4
Paper, Paperboard & Products	628108	458325	47278	36775	58228	40416	674738	4.5
Paper & Paperboard, Only	416898	284756	28191	24062	37802	26896	451219	8.3
Paper, Total	230771	210628	18089	19090	21127	19018	253523	19.4
Newsprint	4312	3805	500	484	330	302	4196	-23.7
Printing,Writing & Rel.Par.	123110	101541	9628	8825	12138	10288	145857	8.2
Pack. & Ind. Conv. Paper	34403	20821	2987	1796	2587	1682	31039	48.9
Special Industrial Paper	83390	81389	4856	8005	5851	6442	70210	51.1
Tissue	3536	2868	121	170	202	324	2420	-50.4
Paperboard, Total	186228	84131	10101	4972	16475	7578	197698	-8.9
Convtd Paper&Paperbd Products	211112	164568	18088	12713	18627	13420	223518	1.1
Wet Machine Board	5289	2876	588	304	196	107	2350	-47.5
Construction Pap & Bd. E	25831	8955	1645	603	1870	721	22438	22.0

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

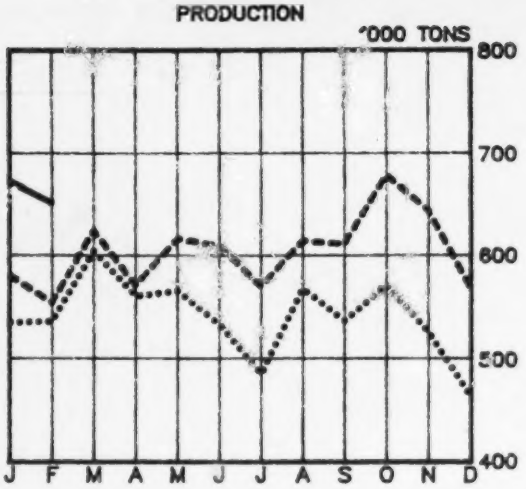
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



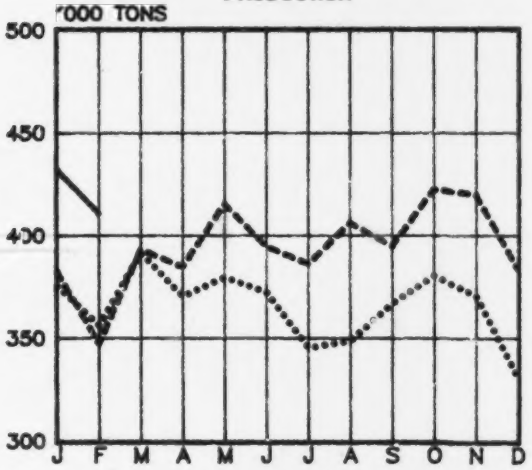
RECYCLED PAPERBOARD

PRODUCTION



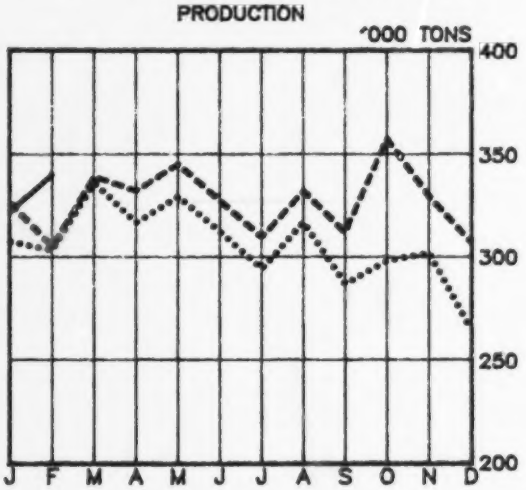
SEMICHEMICAL PAPERBOARD

PRODUCTION



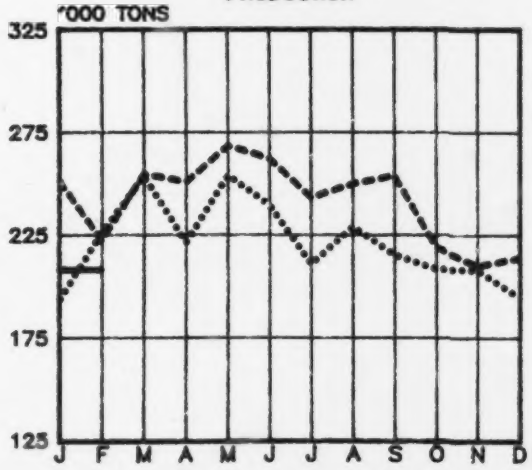
SOLID BLEACHED PAPERBOARD

PRODUCTION



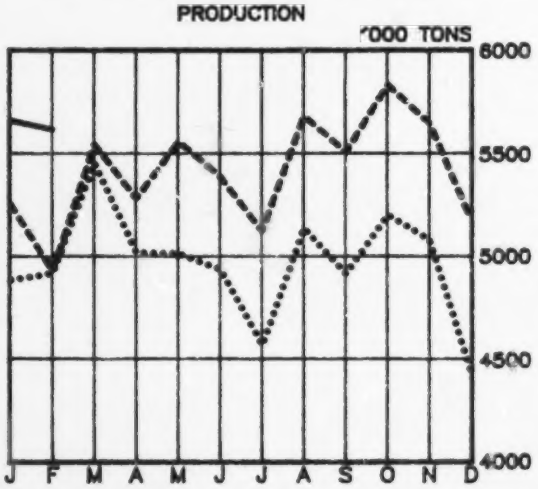
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR Tons	83 $000	DEC. Tons	83 $000	JAN. Tons	84 $000	(1) Annual Rate Y-T-D 84	% Change from same Period Last Year
Pulpwood Roundwood (cords)	155124	7471	39169	2008	11537	526	138684	85.3
Pulpwood Chips	1991453	48104	123606	2899	149857	3541	1798284	13.9
Total All Imports	13248280	5526141	1132767	469442	1236619	533422	14838428	23.1
Wood Pulp Total	4083436	1472478	344834	126308	337494	124721	4049928	8.1
Waste Paper	100410	10537	6802	784	7981	897	95772	74.9
Other Fibrous Materials	68003	24272	5884	1993	4930	1973	59156	-24.6
Paper Board & Products Total	8986431	4018855	775148	360358	886214	405831	10634573	28.5
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	8834560	3582282	760110	320669	870713	364488	10448554	29.0
Paper Prbd & Prds ex Cnst&WMB	8509180	3811591	751166	354275	859811	389621	10317733	31.3
Paper & Paperboard Only	8357309	3475028	736130	314586	844310	358278	10131714	30.7
Paper Total	8189491	3428868	720739	310254	821798	352175	9861577	29.0
Newsprint	6919348	2757524	582616	241444	663056	264092	7956672	21.8
Printing & Writing	1151011	587426	119012	62226	143923	77940	1727078	70.2
Uncoated Groundwood	732237	331017	81685	28240	73013	33423	876150	38.5
Uncoated Book	154147	88632	17626	11007	23648	14106	283771	30.8
Coated Print.& Impress. Par	162441	101289	20699	12576	24370	15969	292435	132.5
Bristols	471	357	116	152	59	66	709	125.6
Writing and Similar Paper	81458	48718	15442	8010	18114	9970	217366	669.8
Thin (except Cigarette)	20258	19213	3443	2241	4721	4407	56647	440.0
Total Pkg & Other Paper	107515	75684	8046	5814	13917	9503	167002	85.8
Unbleached Kraft Paper	42013	17454	2809	1151	4471	1975	53654	42.3
Other Pkg. & Indust. Paper	65503	58240	5237	4664	9446	7528	113347	117.4
Tissue	11617	8225	1065	771	902	640	10825	219.6
Paperboard, Total	167818	48160	15380	4332	22511	6104	270137	148.6
Test or Containerboard	48119	13042	4713	1422	5840	1758	71285	196.9
Semi-Chemical Corrugating	68564	14509	6356	1436	10272	2328	123260	171.7
Other Paperboard	50136	18609	4322	1474	6299	2017	75592	92.5
Convtd Paper&Paperbd Products	151872	436563	15036	39689	15502	41343	186019	68.8
Paper Products, Total	124816	373966	12771	35320	13305	36450	159664	84.9
Paperboard Products, Total	27055	62597	2265	4369	2196	4893	26358	13.8
Wet machine Board	3584	2422	309	172	260	169	3118	16.2
Construction Paper & Board	473667	104842	23672	5911	26144	6041	313722	-10.1
Notes								
Other: No Weight Avail. ($000)		148251		12217		16261	195131	51.7
Total Imports Incl. Other($000)		5674392		501659		549683	6596196	29.6

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	69497	4405	5398	287	3534	242	42408	-32.2
Pulpwood Chips	2554176	171269	175841	11252	230485	15374	2765820	44.4
Total All Exports	10888949	4221511	979248	374453	875607	340828	10507282	10.1
Wood Pulp,Total	3643963	1382022	383960	147528	259573	100225	3114876	11.0
Cotton Pulp and Other Pulp	102863	69805	9697	6167	9288	5978	111456	0.9
Waste and Old Paper	2573716	308915	225950	27556	265327	32734	3183824	30.7
Paper, Board & Products,Total	4568407	2480769	359641	193202	341419	201892	4097028	-2.2
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3984277	1717788	310122	135633	291187	137629	3494238	-3.4
Paper, Prbd & Prod ex Cnst&WMB	4501039	2448779	352937	188858	335153	198182	4021834	-2.8
Paper & Paperboard, Only	3816910	1885778	303417	132387	284921	133919	3419048	-4.1
Paper, Total	773414	588370	57598	48207	62601	51954	751211	1.3
Newsprint	294870	127119	23308	9855	23778	10517	285307	8.2
Printing & Writing	201798	188304	14798	16058	17770	18627	213238	2.2
Uncoated Groundwood	37289	33300	2166	2775	1868	2183	23588	-33.6
Clay Coated Paper	78182	60033	6657	5268	8460	6585	101524	24.5
Uncoated Free Sheet	59125	71662	4387	5948	5449	7167	65386	-8.8
Other Printing & Writing	28202	33310	1585	2067	1895	2681	22738	18.8
Total Pkg. & Other Paper	280885	255086	18858	21134	20031	21418	240387	-8.0
Unbleached Kraft	118170	43227	7888	3275	8621	3868	103450	-18.8
Other Pkg. & Indust. Paper	144685	211859	10668	17859	11410	17548	136918	8.0
Tissue	15881	18861	337	1160	1025	1394	12300	-10.5
Paperboard, Total	3143496	1088408	245819	84180	222320	81965	2867835	-5.5
Solid Wood Pulp	2983868	1016184	236391	78852	211297	76348	2535558	-6.8
Total Linerboard	2254538	575882	188312	45878	155177	43140	1862122	-8.5
Bleached Kraft Linerboard	180253	64814	15880	6713	15246	5851	182948	229.2
Unbleached Kraft Linerbd	2084285	510848	152431	38165	139931	37188	1679173	-13.3
Other Unbleached Kraft	107141	51822	16832	6477	11460	5448	137519	-8.5
Other Bleached Kraft	558431	371357	44512	25892	43314	27287	519772	-4.6
Semi-Chemical Corrugating	73758	17144	6938	1704	1346	475	16146	-53.7
Recycled Paperboard	149628	70224	9428	4228	11023	5817	132277	25.8
Convtd Paper&Paperbd Products	584129	763001	48518	57588	50232	64283	802788	5.8
Paper Products, Total	311722	535598	25577	38212	25749	43741	306882	-3.0
Paperboard Products, Total	272408	227406	23843	18358	24484	20522	293808	16.8
Wet Machine Board	11622	5420	1253	502	831	582	9973	-0.4
Construction Paper & Board E	55748	28570	5452	2745	5435	3118	65218	53.6
Notes								
Other: No Weight Avail. ($000)		7885		838		370	4435	-25.5
Total Exports Incl. Other($000)		4228475		375089		341198	4084377	8.4

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	82	83	NOV.	DEC.	JAN.	FEB.	Annual Rate Y-T-D 83	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	273.2	271.3	276.3	276.8	280.0	283.3	281.7	4.8
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	275.9	273.2	277.4	277.9	281.2	284.2	282.7	4.2
Total Wood Pulp	379.1	346.7	352.6	351.3	364.4	371.5	368.0	6.3
Total Paper	286.3	282.2	287.9	288.9	294.3	296.6	295.5	5.9
Total Paper, exc. Newsprint	278.3	276.8	284.3	286.0	295.1	296.9	296.0	8.3
Newsprint	315.8	303.0	309.6	309.5	309.6	309.6	309.6	3.5
Total Paperboard	254.9	250.7	257.9	259.5	262.2	269.3	265.8	9.0
Total Paper and Paperboard #	276.5	272.3	278.5	279.7	284.2	288.0	286.1	6.8
Converted Products	264.4	265.3	267.8	268.0	269.4	271.6	270.5	2.1
Waste Paper	121.1	158.2	210.2	211.5	211.5	229.5	Not Available	
All Commodities	299.3	303.1	305.6	306.0	308.1	308.8	308.5	2.7
Industrial Commodities	312.3	315.7	318.3	318.4	319.2	320.4	319.8	1.9

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

Production of total recycled paperboard thus rose 17% over the year-ago level in the first two months of 1984. This brought the rate, on a seasonally adjusted basis, to 7.9 million tons per year, by far the highest rate realized since the inventory boom of 1973.

By way of contrast to the strong domestic demand, production of paperboard for export dropped 12% from the January-February 1983 level in the first two months of 1984, with kraft linerboard, the major part of the total, down 9.5% and solid bleached board down 16%. These declines reflected, in part, the effect of the strength of the U.S. dollar in the markets for these products.

The seasonally adjusted rate of production of paperboard for domestic use in the first two months of 1984 was about 13% above its comparable year-ago level. However, activity in the end use markets for paperboard as measured by an index of production of consumer goods, equipment and materials, with each sector weighted according to its importance as a paperboard market, gained 14% in this same period. These indexes are shown on the yellow Industry Data Sheet attached to this report. The table further shows that production of consumer goods rose about 12%; equipment 15% and materials 18%, with consumer goods representing over 60% of the total market. From this it

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would appear that the strong gains in paperboard production match the gains in end-use activity. Thus, paperboard production is being fully utilized, with no significant part being diverted to inventories at the consuming level.

Fibrous Raw Materials

Total production of chemical paper grade market pulp in the first two months of 1984 was 15% ahead of its comparable year-ago level. This brought the 1984 rate to about 5.2 million short tons per year, a shade higher than the 5.1 million tons produced in 1983.

Shipments of these grades of pulp in the first two months of 1984 rose by 19% over their year-ago level, representing an annual rate of 5.5 million short tons. Shipments to the domestic market rose by 12%, while export shipments rose 25%. Most of the export gain took place outside of shipments to Western Europe, where the increase was only 5%.

Export demand for U.S. market pulp has probably been influenced by the shutdown in the British Columbia pulp mills. Capacity at those mills represents about 37% of the total paper grade chemical pulp capacity in Canada and 51% of the Canadian chemical paper grade market pulp capacity. The shutdown started on February 2 and as of the end of March, was still going on.

An immediate impact of the strike has been a decline in inventories held by producers of market pulp. Even before the strike, U.S. inventories of market wood pulp at producing mills were in a down trend. After following a general upward trend during 1983 and reaching a peak of 484,000 short tons in November, inventories dropped sharply in December to 380,000 tons, rose to 391,000 tons in January 1984 and then dropped to about 350,000 tons in February. Data on consumers' inventories of purchased pulp, that is inventories of purchased pulp at paper and board mills show a fairly strong position. These inventories were relatively high -- 564,000 tons in January 1984 compared to 411,000 tons in January 1983. (February data were not available at this writing.) Consumers normally tend to increase their inventories of market pulp in times of rising demand.

The API's Paper Recycling Committee reports that total consumption of waste paper for all domestic uses in the first two months of 1984 was at the rate of 17 million tons per year, 11.6% ahead of its comparable 1983 total.

Continued on Page 12

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Capital Expenditures

The Department of Commerce has recently released new data on planned capital expenditures for 1984. The data show that paper companies expect to spend $7.13 billion on new plant and equipment in 1984, 15% above the $6.18 billion spent in 1983. (The 1983 figure represents a small revision from the $6.20 billion published earlier.)

Expenditures are shown to be rising sharply in the first quarter of 1984, from a $6.24 billion annual rate in the fourth quarter of 1983 to $7.07 billion in the first quarter of 1984 and holding to that level in the second. A rise to the $7.19 billion rate is projected in the last half of the year. Expenditures at these levels would represent record-highs; the previous high was reached in 1980 when expenditures totalled $6.80 billion.

The year-to-year gains compare favorably with the expenditures projected for all non-durable goods companies, where the increase is expected to be 12%. Producers of durable goods are expected to increase their expenditures by 21%, bringing the total for all manufacturing to 16%. The total increase for all non-farm business is expected to be 14%.

These are fairly strong increases, although not unusual for this time in the business cycle. Perhaps more importantly, the Department of Commerce expects these increases to be translated almost entirely into real growth. For capital expenditures by non-farm business as a whole, for example, they show the average prices increasing by only 1.4%; for non-durable goods producers the average increase is expected to be less than 1%. While these average increases cannot be directly translated into expected price changes for individual industry groups, it would appear that Commerce expects the rate of growth in the dollar increases to be closely matched by the increase in real expenditures.

The Commerce Department's projections of strength in plant and equipment expenditures by paper companies in 1984 is further bolstered by the data they show on new starts. They report new starts at $3.3 billion in the second half of 1983. This brought the carryover of expenditures on projects already under way as of the end of 1983 to $6.55 billion, compared to $6.37 billion at the end of 1982, equivalent to nearly one full year's expenditures.

The McGraw Hill survey of capital expenditures by paper and allied products companies taken earlier also shows gains in 1984, but at a somewhat smaller rate. This survey shows the 1984 total paper company expenditures at $6.41 billion, indicating a 3.4% gain from their 1983 level. The survey also showed that paper companies expect to continue to increase their expenditures in 1985 - to $6.65 billion.

March 30, 1984

	Full Year		INDUSTRY DATA 1983-1984			1984 Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1982	1983	December	January	February		
Total Production (API).....| excludins |...	59488	64868	5169	5635	5611	67600	10.8
Total Seasonally Adjusted....|construction|...			5736	5721	5685	68437	8.9
Imports (includins Products).| and wet |..E	7603	8509	751	860	N.A.	9959	40.9
Exports (includins Products).| machine |..E	4187	4501	353	335	N.A.	4021	-6.0
Apparent Consumption.....| grades |...	62904 a	68876 b	6154	6246	6150	74375c	+13.3
Paper Production % Tonnage Capacity.....	87.8 a	93.5 a	87.9	93.6	96.9	96.3ah	-
Paperboard Production % Tonnage Capacity.....	82.1 a	89.7 a	79.8	90.6	97.0	95.8 a	-
			November	December	January		
IMPORTS.....|Includins Construction and |.....	8024	8986	855	775	886	10635	29.5
EXPORTS.....| WMB Grades (excl. HPB) |.....	4246	4568	404	360	341	4097	-2.2
MARKET WOOD PULP PRODUCTION - Tons (000).....	5732	6416	577	475	531	6372	16.0
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	49334	52535	4597	4124	4317	54208	5.9
WOOD PULP IMPORTS - TONS (000).....	3656	4093	362	345	337	4050	9.1
WOOD PULP EXPORTS - TONS (000).....	3393	3644	252	384	260	3115	11.0
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS | excludins |			November	December	January		
Wood Pulp.....|consumption for|.....	47767	50960	4452	4088	4371	52457	4.8
Waste Paper.....|construction & |.....	13565	14539	1275	1156	1292	15504	8.4
TOTAL.....| WMB grades |.....	61332	65499	5727	5244	5663	67961	5.5
PULPWOOD CONSUMPTION Cords(000)Amer.Pulpwd. Assn	79039	85442	7267	6741	7185	86220	2.7
EMPLOYMENT (000)			December	January	February		
Paper and Allied Products.....Total.....	662.0	658.7	669.4	666.2	668.7	667.5	3.1
Pulp, Paper and Board Mills.....Total.....E	257.8	253.7	256.2	255.0	255.9	255.5	1.4
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	9.32	9.93	10.23	10.22	10.22	10.22	5.9
Pulp, Paper Mills.....E	10.88	11.71	12.11	12.11	12.11	12.11	7.2
Paperboard Mills.....E	11.13	12.11	12.58	12.53	12.53	12.53	8.0
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1983 Q3	1983 Q4	1984 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)e	5.97	6.18	6.18	6.24	7.07	7.13y	15.4
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			December	January	February		
|IN PULP, PAPER |...Production Workers.....	109.9	121.5	125.5	125.0	123.6	124.3	2.8
|AND BOARD MILLS|...All Employees.....	108.3	120.0	125.0	124.5	123.4	124.0	4.6
PAPER AND ALLIED PRODUCTS (Million $)			November	December	January		
Industry Shipments (Dept. of Commerce)*.....	78992	85762	7638	7801	7862	94344	16.2
Pulp, Paper and Paperboard*.....	33523	36321	3186	3315	3307	39684	15.6
Inventories (End of Period) - Total Industry*.	8607	8766	8813	8766	8825	8825	4.6
Pulp, Paper and Paperboard*.....	3365	3249	3300	3249	3267	3267	-3.7
			1983 Q3	1983 Q4	1984 Q1		
Sales (Corporations Only, FTC).....	60293	65095 K	16797	N.A.	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).....	1460	2218 K	678	N.A.	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).....	2379	2653 K	688	N.A.	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC).....	26705	27381 L	27381	N.A.	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats)1967=100			December	January	February		
Pulp, Paper & Products, ex. Buildins Grades...	273.2	271.3	276.8	280.0	283.3	281.7	4.8
Wood Pulp.....	379.1	348.7	351.3	364.4	371.5	368.0	6.3
Waste Paper.....	121.1	158.2	211.5	211.5	229.5	Not Available	
Paper.....	286.3	282.2	288.9	294.3	296.6	295.5	5.9
Paperboard.....	254.9	250.7	259.5	262.2	269.3	265.8	8.0
PAPER DEMAND (INDEXED: 1967=100)			December	January	February		
Total Paper Production *.....	145.4	157.3	165.3	166.0	162.3	164.2	7.2
Paper New Supply *.....	135.1	147.8	155.9	160.6	155.3	158.0	13.3
Total End - Use Index *.....	149.5	157.9	166.6	168.2	169.6	168.9	12.9
Production of Nondurable Goods *...(19%)..	156.1	168.0	174.4	175.9	177.7	176.8	11.8
Disposable Income (Constant $) *...(23%)..	157.8	163.4	168.6	170.3	170.8	170.6	6.6
Total Printins and Publishins *...(58%)..	144.0	152.4	163.3	164.9	166.5	165.7	16.2
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.....	127.6	140.2	151.0	148.5	150.0	149.2	10.6
Production For Domestic Use	122.7	134.9	148.1	145.7	147.4	146.6	12.9
Total End - Use Index *.....	139.5	148.8	156.0	158.1	159.9	159.0	13.9
Production of Consumer Goods *...(80.49%)	142.7	151.7	157.3	159.6	161.1	160.4	11.7
Production of Equipment *...(6.62%)	139.8	140.8	151.3	153.0	154.2	153.6	14.6
Production of Materials *...(32.89%)	133.7	145.2	154.6	156.4	159.8	157.6	18.1
Trend Factor	----------	----------	----------	Not Available	----------	----------	----------
NEWSPRINT MARKETS			November	December	January		
Consumption by Publishers - Tons (000).....	11141	11869	1088	1051	939	11270	8.0
Newspaper Pub. and Printins Empl. Total(000)..	417.5	421.6	428.7	430.2	428.3	428.3	3.2
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.).....	121617	RS N.A.	N.A.	N.A.	8933	107200	6.9
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	22776	26532	2417	2439	2394	28728	16.7
Inventories (End of Period)	1885	2341	2377	2341	2308	2308	17.2
FIBRE BOX DATA (Fibre Box Association)			December	January	February		
Fibre Box Shipments (Million square Feet).....	235185	252878	19874	22065	21983	264288	14.1
Container'bd Inventory at Mill & Plant(000Tons)	2584	2442	2442	2404	2428	2428	-1.4
RETAIL TRADE (Million $)							
Total Retail Sales *.....	1074467	1171915	102738	106154	105982	1272816	15.6
Nondurable Goods Stores Sales *.....	753598	783398	67423	69848	69313	834966	9.0
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	138.6	147.6	156.1	158.0	159.9	159.0	15.4
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	299.3	303.1	306.0	308.1	309.8	308.5	2.7
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	289.1	298.4	303.5	305.2	306.6	305.9	4.3
			November	December	January		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	344.8	387.9	376.4	387.9	386.4	386.4	12.6
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1983 Q3	1983 Q4	1984 Q1		
G.N.P. or Expenditure - Current $.....	3073.0	3310.5	3362.2	3436.2	3534.2	3534.2	11.4
G.N.P. or Expenditure - 1972 $.....	1485.4	1535.3	1553.4	1572.5	1600.0	1600.0	7.4

lb/capita
Pap&Papbd Othr Totl Popul(mil)
.a - 543 + 15 = 558 232.0
.b - 589 + 18 = 607 234.2
.c - 633 + 18 = 651 236.9
.E - Last month estimated by API
.e - estimated by API
L - END OF THIRD QUARTER 1983

a - Adjusted for holiday shutdowns
h - Adjusted to conform with API Division data
J - Census unpublished data; standard dev. = 6-8%
N.A. - Not Available
P - Preliminary
Q - Quarter
K - ANNUAL RATE, FIRST 3 QUARTERS 1983

R - Revised
RS - Revised Series
y - Full year estim. by U.S. Dept. of Com.
* - Seasonally Adjusted

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

MARCH 30, 1984

PRODUCTION (000 TONS)

	Feb. 1984	Jan. 1984	Feb. 1983	Jan - Feb. 1984	Jan - Feb. 1983	% Change 84/83
PAPER GRADES	P	R				
Newsprint	452	459	417	912	861	5.9
Printing & Writing	1488	1529	1298	3017	2671	13.0
Uncoated Groundwood (s)	128	138	108	266	225	18.0
Coated Paper (s)	509	514	427	1023	869	17.7
Uncoated Free Sheet Paper (s)	736	765	655	1501	1362	10.2
Thin Paper (s)	29	28	27	57	54	6.1
Cotton Fiber Paper (s)	11	11	10	23	20	16.3
Bleached Bristols (s)	75	73	71	148	141	4.9
Tissue Paper	385	406	377	791	768	3.0
Total Pkg & Other Paper	488	480	445	968	914	6.0
Unbleached Kraft Packaging & Indl. Converting (s)	322	317	308	639	638	0.2
Other Paper *	166	163	137	329	276	19.3
TOTAL PAPER	2813	2875	2536	5687	5213	9.1
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1398	1357	1182	2754	2466	11.7
Unbleached Kraft Linerboard	1308	1266	1107	2573	2311	11.4
Other Unbl. Kraft Paperboard	90	91	75	181	155	16.5
Semichemical Paperboard	411	432	347	842	729	15.5
Bleached Paperboard	340	322	305	661	630	5.0
Recycled Paperboard	650	671	553	1321	1133	16.7
TOTAL PAPERBOARD	2799	2781	2387	5579	4958	12.5
TOTAL PAPER AND PAPERBOARD	5611	5655	4923	11267	10171	10.8

WOOD PULP (ALL GRADES)	Jan. 1984	Dec. 1983	Jan. 1983	Jan - Jan. 1984	Jan - Jan. 1983	% Change 84/83
Dissolving & Special Alpha	98	106	88	98	88	10.8
Bleached Sulfite	108	110	108	108	108	-0.5
Unbleached Sulfite	25	23	30	25	30	-17.8
Bleached & Semi-Bl. Sulfate	1781	1652	1709	1781	1709	4.2
Unbleached Sulfate	1692	1512	1583	1692	1583	6.9
Semichemical	352	303	325	352	325	8.4
Groundwood and Thermomechanical	462	419	422	462	422	9.4
TOTAL PULP DIVISION DATA	4517	4124	4266	4517	4266	5.9

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.